

DAILY FIELD ACTIVITY REPORT

PROJECT NAME: Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

DATE: June 28, 2018	WEATHER: Overcast, High ~72 degrees F
Personnel and Visitors Onsite: Research vessel Cayuse – CDM Smith: Mary Lou Fox; AECOM: Mark Taucher; AECOM: Stuart Holmes; <u>Geosyntec</u> : Alison Clemens; <u>Gravity Marine</u> : John Schaefer, Maggie McKeon	
Planned Activity: <ul style="list-style-type: none">Collect surface sediment samples at stratified random locations on upriver reaches.	
Activity Completed: <p>A tailgate safety meeting was led by AECOM. Topics discussed during the safety meeting included keeping alert, particularly as 4th of July holiday approaches and boat safety.</p> <p>Mary Lou Fox performed oversight of surface sediment sampling from 12:45 to 18:15 on board the Cayuse. Prior to that a project meeting to discuss new upriver sediment sampling was attended at the sample processing facility. Specific activities completed by the AECOM/Geosyntec team, with vessel support from Gravity Marine, are as follows:</p> <ul style="list-style-type: none">Position check at PH-2 indicated that the vessel GPS was reading within 1.3 meters of the PH-2 survey coordinates, meeting the 1-2 m accuracy specification in the FSP.3-point composite surface sediment samples were collected from 3 stratified random locations near RM 12 on the downtown reach upriver of the Site as summarized below. Activities included decontamination of sampling equipment using Alconox and deionized/distilled water and housekeeping of the sampling area.	
Status of Schedule & Priority Work: <ul style="list-style-type: none">Sampling will continue into next week until the 4th of July holiday on the Cayuse and a second boat with stratified random sampling locations.Remaining sample locations include some blocked or attempted locations that could not be sampled at the time, and locations on private property with none or recently procured access agreements and the remaining upriver locations. Sampling on private property locations will continue at locations with property access agreements.	
Issues/Concerns/Resolutions (include work performed that was not planned or anticipated): <p>The PreRD Group had mobilized a second research vessel, the Tieton, to Portland Harbor but on the morning of 6/29/2018 it the boat had engine problems and had to go in for repair.</p> <p>After collection of the first sample (B430), it was determined that the most current coordinates in the FSP differed slightly from those that Gravity had input into the navigation system. This was corrected and for future samples the most current coordinates from the FSP were used. CDM Smith is checking to see to determine the actual offset of where B430 was collected.</p> <p>At location SG-B432, six grabs were made. Rocks were caught in the jaws of the sampler for three of the grabs and the remaining grabs had yields of 20 cm, 20 cm, and 19 cm. A composite sample was made with the three sediment recoveries of 20, 20 and 19 cm per the FSP.</p>	
Samples Collected, Measurements Made, Photographs: (List Locations, Matrix & Sample type): <p>On the Cayuse, sediment samples were collected at the following sampling locations:</p> <ul style="list-style-type: none">PDI-SG-B430 – RM 12 W, within 25-FT radius, very soft silt to sandy silt with trace fine sandsPDI-SG-B431 – RM 12.1 W, within 25-FT radius, very loose sandy silt to well-graded sandPDI-SG-B432 – RM 12.2 E, within 25-FT radius, loose silty fine sands <p>Wet sieving was performed on sediment from the first grab at each location to confirm that the sediment had greater than 35% fines.</p> <p>Note: Sediment descriptions are simplified and AECOM/Geosyntec provided more detailed sediment descriptions in their sampling notes. Trace components are not included in simplified descriptions unless related to sheen or biota.</p>	

Photographs of work were taken throughout the day on board the Cayuse and provided to EPA via email. Additional photos were taken and archived with a description included in the photolog Excel spreadsheet, which are maintained electronically in the ProjectWise project folder.

Borings Completed (Include total footage drilled for each boring):

None

Wastes Generated and How Handled:

- Excess sediment and debris from today's sampling activities was rinsed back into the river per the FSP. No significant sheen was observed today.
- Disposable gloves, paper towels, and other general trash was containerized in a trash bag and removed daily for disposal to a municipal waste management dumpster.

Health and Safety Issues, Equipment Needs, Staffing:

None

Signature:

Mary Lou Fox

DATE

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